

**Claims**

1. Use of an isolated protein which can be obtained by extraction from the plant *Pilocarpus heterophyllus*, said protein being characterized in that it has a molecular mass of approximately 90.9 kDa and comprises fragments of peptide sequences  
5 SEQ.ID.NO.1, SEQ.ID.NO.2 and SEQ.ID.NO.3; said protein moreover being able to be presented in a glycosylated or non-glycosylated form, for preparing a medicament intended to treat cancers the growth of which is dependent on the growth factor GHRH.
2. Use according to claim 1, characterized in that the protein has been obtained from an extract from cells of the plant *Pilocarpus Heterophyllus* cultured *in vitro*.
- 10 3. Use according to claim 1 or 2, characterized in that the cancers the growth of which is dependent on the growth factor GHRH are chosen from small-cell lung cancer and breast cancer .
4. Use according to claim 3, characterized in that the cancer the growth of which is dependent on the growth factor GHRH is small-cell lung cancer.
- 15 5. Use according to claim 3, characterized in that the cancer the growth of which is dependent on the growth factor GHRH is breast cancer.